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Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 300622000123

Application Number 09 925,236

Applicant

Charan KHOSLA et al.

Filing Date August 8, 2001

Group Art Unit 1652

Mailing Date November 25, 2002

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
NE	1.	06/1990	4,935,340	Baltz et al.	435	6	
NE	2.	09/1997	5,672,491	Khosla et al.	435	148	
NE	3.	10/1998	5,824,513	Katz et al.	435	76	
NE	4.	11/1998	5,830,750	Khosla et al.	435	252.35	RECEIVED
NE	5.	10/1999	5,962,290	Khosla et al.	435	183	DEC 04 2002
NE	6.	12/1999	6,004,787	Katz et al.	435	183	
NE	7.	02/2000	6,022,731	Khosla et al.	435	252.35	TECH CENTER 1600/2900
NE	8.	05/2000	6,060,234	Katz et al.	435	4	
NE	9.	05/2000	6,063,561	Katz et al.	435	4	
NE	10.	03/2001	6,200,813	Katz et al.	435	467	
NE	11.	08/2001	6,271,255	Leadlay et al.	514	450	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
NE	12.	10/1983	EP 0092388	Europe			
NE	13.	17.01.92	WO 93/13663	PCT			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

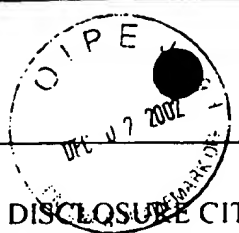
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NE	14.	Bartel, et al., "Biosynthesis of anthraquinones by interspecies cloning of actinorhodin biosynthesis genes in streptomycetes: Clarification of actinorhodin gene functions," <i>J Bacteriol</i> (1990) 172(9):4816-4826
NE	15.	Beck, et al., "The multifunctional 6-methylsalicylic acid synthase gene of <i>Penicillium patulum</i> . Its gene structure relative to that of other polyketide synthases," <i>Eur J Biochem</i> (1990) 192:487-498
NE	16.	Bibb, et al., "Analysis of the nucleotide sequence of the <i>Streptomyces glaucescens</i> tcmI genes provides key information about the enzymology of polyketide antibiotic biosynthesis," <i>EMBO J</i> (1989) 8(9):2727-2735

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we	17.	Caballero <i>et al.</i> , "Organisation and functions of the actVA region of the actinorhodin biosynthetic gene cluster of <i>Streptomyces coelicolor</i> ," <i>Mol Gen Genet</i> (1991) 230:401-412
we	18.	Cortes <i>et al.</i> , "n unusually large multifunctional polypeptide in the erythromycin-producing polyketide synthase of <i>Saccharopolyspora erythraea</i> ," <i>Nature</i> (1990) 348:176-178
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	25.	Fu, "Engineered biosynthesis of novel polyketides: Stereochemical course of two reactions catalyzed by a polyketide synthase," <i>Biochemistry</i> (1994) 33(31):9321-9326
we	26.	Hallam, "Nucleotide sequence, transcription and deduced function of a gene involved in polyketide antibiotic synthesis in <i>Streptomyces coelicolor</i> ," <i>Gene</i> (1988) 74:305-320
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	30.	Hutchinson, "Drug synthesis by genetically engineered microorganisms," <i>Ann Review Microbiol</i> (1993) 47:875912
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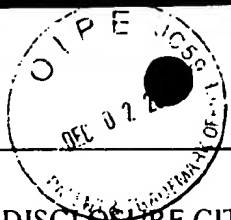
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PTO/SB-08 (2-92)

Sheet 3 of 4

Form PTO-1449

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Chantan KHOSLA et al.

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	34.	MacNeil et al., "Complex organization of the <i>Streptomyces avermitilis</i> genes encoding the avermectin polyketide synthase," <i>Gene</i> (1992) 115:119-125
	35.	Malpartida et al., "Molecular cloning of the whole biosynthetic pathway of a <i>Streptomyces</i> antibiotic and its expression in a heterologous host," <i>Nature</i> (1984) 309:462-464
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	37.	Malpartida et al., "Homology between <i>Streptomyces</i> genes coding for synthesis of different polyketides used to clone antibiotic biosynthetic genes," <i>Nature</i> (1987) 325(6107):818-821
ne	38.	McDaniel et al., "Engineered biosynthesis of novel polyketides," <i>Science</i> (1993) 262:1546-1550
*	39.	Roberts, et al., "6-Deoxyerythronolide B synthase 3 from <i>Succaropolyspora erythraea</i>: Over-expression in <i>Escherichia coli</i>, purification and characterisation," <i>Biochem Soc Trans</i> (1992) 21:325
ne	40.	Roberts, et al., "Heterologous expression in <i>Escherichia coli</i> of an intact multienzyme component of the erythromycin-producing polyketide synthase," <i>Eur J Biochem</i> (1993) 214:305-311
	41.	Robinson, "Polyketide synthase complexes: their structure and function in antibiotic biosynthesis," <i>Phil Trans R Soc Land B</i> (1991) 332:107-114
	42.	Rohr, "Combinatorial biosynthesis - an approach in the near future?" <i>Angew Chem Int Ed Engl</i> (1995) 34(8):881-885
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	45.	Strohl, et al., "Expression of polyketide biosynthesis and regulatory genes in heterologous streptomycetes," <i>J Ind Microbiol</i> (1991) 7:163-174
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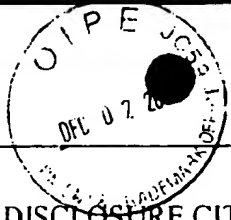
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pl	48.	Tuan <i>et al.</i> , "Cloning of Genes Involved in Erythromycin biosynthesis from <i>Saccharopolyspora erythrae</i> using a novel actinomycete- <i>Escherichia coli</i> cosmid," <i>Gene</i> (1990) 90:21-29
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